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CLUBS.—FOR TERMS TO CLUBS, SEE PROSPECTUS ON THIRD PAGE.

A FAMILY NEWSPAPER: NEUTRAL IN POLITICS.

DEVOTED TO MORALITY, PURE LITERATURE, FOREIGN AND DOMESTIC NEWS, AGRICULTURE, THE COMMERCIAL INTEREST, SCIENCE, ART AND AMUSEMENT.

VOLUME XXVIII. PHILADELPHIA, SATURDAY, MARCH 10, 1849. WHOLE NO. 1441.

Biographical.

STEPHEN GIRARD.

Our Portait Gallery.

STEPHEN GIRARD.

By his will, he bequeathed to the "Pennsylvania Hospital," thirty thousand dollars; to the "Dancing Assembly," twenty thousand; to the "Public Schools of the City and County of Philadelphia," ten thousand; to the "Orphan's Asylum," ten thousand; to the "Relief of Distressed Masters of Ships," ten thousand; to the "Marine Corps," twenty thousand; for the erection of a public school, six thousand; to all the captains in his employ, having been a seaman, as the encampment was in the vicinity.

Upon the evacuation of Philadelphia, he returned to the city and occupied a range of frame stores in Water Street, which were filled with pieces of cordage, sails and old canvas, which were destined to fit out ships at some future time.

In 1780, Mr. Girard again entered upon the New Orleans and St. Domingo trade, and increased his gains so much as to enable him to purchase extensive tracts in a larger scale. He leased for ten years a range of brick and frame stores, and at the expiration of the lease, with the others in great advantage, and has been heard to say he dated his subsequent good fortune in this transaction.

His connection with his brother, Captain John Girard, terminated in consequence of misunderstanding, and the partnership was dissolved, and his share of the business amounted to about thirty thousand dollars.

His wife died in 1818, having been twenty-five years a patient in the Pennsylvania Hospital, on which account he presented to that institution the sum of three thousand dollars, thereby liberally rewarding the attendants.

His profits were greatly increased by the circumstance of two of his ships being at St. Domingo at the time of the insurrection on that island, which enabled him to obtain a cargo of the docks to deposit their most valuable property in the ships lying there, and returned to secure another cargo. In this manner, and not low claims were ever made on the property, which he buried in the cellars of his store.

In the year 1794, Mr. Girard commenced building ships—which have been a source of pride to Philadelphia—to engage in the trade of Calcutta and China. He showed some national feeling in naming his ships Montesquieu, Helvetius, Voltaire and Rousseau.

Mr. Girard's conduct during the dreadful pestilence which in 1793 visited the city, and the Pennsylvania Hospital, on which occasion he presented to that institution the sum of three thousand dollars, thereby liberally war

For the Ladies.

PRETTY WOMEN.

BY A PRETTY WOMAN.

I have often wondered why there can no perfumed bonbine now-adays, while every pretty age can boast its Helens; our ice cream may be rather more pretty than, it is said the ancients among the thousands already mentioned that produced the existence whose names shall endure imperishable by the immortal pen of the muse.

A friend of mine (a gentlemen, of course) suggests that the universal likeness of the ladies of this age accounts for a falling off in other respects; but here we differ; for, although it is a rare thing for a pretty lady to be clever, or for a clever woman to be pretty, too many of such rare instances do occur in all how any rule to be established containing such a solution of the difficulty.

Yet, we cannot open a page of any history that does not record the fame of some beauty; the Bible has its Rachel—so lovely that twenty years of service was deemed a light fee for her possession; there would but for Cleopatra, the beautiful mistress of the French kings (alas! that world through the hours of their imperial leisure; even down to the days of George the Fourth there has always been some lady whose charms have been more powerful than monarchs and prime ministers.

But I think the problem may be solved: it is the difference of dress—costume does it all; revive the reliage of by-gone ages, and you will revive all the beauty and fair faces of those days. For there must have been a good deal of ugliness, otherwise beauty would not have been so frequently remarked; for what is common is never looked at, and there could have been more pretty girls in the days of Troy, than would have had favour suitors, and there might have been standing yet.

Some must have been plain! or some flaps have been—dapples of their own—on Hemlock! But what are beauts compared to fame?—would man know a genius for her genius? How many love a fool for her fun?

But what I mean to say is this—in those ancient people dressed so unbecomingly, that unless their features were *perfect*, they were literally nothing; all the minor graces were lost sight of in meditum parum: now, they are totally unavailable under that system of costume.

For instance, Miss must have a figure—a bone robe, a broad girdle, bare arms, medals on her foot, and her hair bound back in those rich, magnificent braids, second to this day "Grecian Plaits."

But imagine, for a moment, all your acquaintance dressed in this way! Would not the majority be frightful! How few bone, how few complexions, could stand that searching! And if they think hair! how few feet would be found to satisfy! how few arms would bear the noon day sun and the sharp winds, which would soon reduce them to the pattern and form of a leather-covered fan.

Perhaps the Jewish costume of Rebecca and Rachael may have a shade better fate; but here was the same expanse of neck and arms, with the additional disadvantage of a robe that showed a leg encased in hideous boots and hose, and that refused to sweep with Grecian magnificence round the limbs of its graceful wearer.

Cleopatra—she is represented as both dark and sister—would was only the robes of white or purple, the hasty disdain, the cringe of a penal that were the allotted garb of Egyptian profession. How dark and how commanding must have been the majesty of her countrymen, may be judged from the sensation she made.

Then the Romans were famed for their stately carriage and somewhat large though noble features; and when in those charms was added those of equipage and dress, and beautiful coloring, no doubt their simple and majestic style of dress was greatly beautifying to them; but without these latter qualifications how gaunt and coarse they must have appeared.

What can be more lovely than the figure of Agrippina—another dear friend—in the robes of Gainsborough's—the robe falls in long sweeping folds; the bare arm, naked in the shoulder, supports the urn; the head is bound back, shows the perfect profile, the pure oval cheek, the sweet brow, and that state of ease in its large and lofty chamber—not a ringlet, not a ribbon, not the gleaming of a jewel violates the stain which Canvas in a serene variety.

Agitation could bear that style: Fanning and Mendina were too, and looked even better. Perhaps among the simile of our acquaintance there are two or three whose wire would appear to advantage so attired;—but oh! how well for the dumpy and the scraggy, the "no extreme" and the "no end!" all there may lay open better days.

As we descend the stream of time, the number of ostentant beauties decreases; this we may attribute to the increasing knowledge of the art of dress—intelligent commerce and policy of fashion, irregular features, began to have something like fair play shown them;—acquaintance became and with some assistance from our tame; and in the same degree as the plain women were made to appear less plain, were the beauties rendered less prominent, and the distance between the parties lessened.

Still we hear of some so enticingly lovely as to be known to all the world by the fame of their eyes alone; of these we may name Kitt of the swan-neck, so called from the brilliant whiteness of a skin capable of resisting the exposure to sun and wind, which tinted and freckled into frightfulness the cyeeus and lefty ladies of the olden days: Rosamond the Fair —so fair that it was said of her," Near but a jealous and exasperated woman could have harmed her!" Somerset Cleo, a beauty whose name alone, or sometimes even sometimes the light in those large untroubled eyes, soon silenced the clamor that the presence of an awful a fair; Lucrezia Borgia, an angel in face, a demon in heart! Mary of Mantua, Medina, the one man ever behaved without love," and some few others, until we reach that famous trio recorded in the letters of Horace Walpole, as the loveliest women of their time, the three Misses Gunning.

One of these—the Duchess of Hamilton—was so renowned for her charms, that her fame spread far and near, insomuch that when travelling once from the north to town, the mob in the villages on the road turned out nights, and piled round the house, nor would they depart until she had appeared on the balconies to display to them her beauty.

And there is something strangely and in the amount of the death of another of the sisters—Lady Coventry—the period of her appearance while in the highest pride of youth and beauty. She is recorded as patiently awaiting the approach of death—her looking-glass her constant companion—as serenely ever removing her eyes from the reflection of her own beauty, and as bewailing only the too early extinction of a beauty worthy of immortality.

At the time in which those fair sisters lived, the style of dress, although magnificent and splendid, was eminently trying to their beauty, and as eminently propitious to those more liberal; hoops and flowing robes must have been the extraordinary renown of those rank- ing as beauties—hence the apparent rarity of such renown.

The hair was then worn completely lifted off the face, having exposed every feature; unless those features were regular to perfection, unless the complexion was smooth as marble and as delicate, what could have been the fair to look upon? Not very well those must have looked who did possess such advantage.

At a later time, when the manner of some favorite beauties are again recorded, the costume, tended to conceal the form of neck and arm; one could wear it with impunity—hence the high reputation for beauty of Pauline Beaumont and of Madame Recamier. The former is described as appearing at a party given by her relations in the Rue Bac, in a dress of white reaching little below the knee, and commencing far below the shoulders, the waist exceedingly short, and the whole in narrow gauze folds, which clothed the small feet, while a mantle of lawpaul silk hung loosely round the perfect form of Canova's fairest model.

And there are many who can yet remember the appearance of Madame Recamier in the parks of London, clad in a robe so scanty and so simple—her dark hair wreathed around her head, and fastened with a bodkin in the manner, and a scarlet mantle wrapped around her.

Near-a-days, the toilet of a lady is exactly condensed upon the principles most beseeming to all; few figures look ill in the sweeping, simple and lengthened orange-simple and eminently without artifice; necks, however thick, are concealed by the long dresses, nor the mode. Features, however coarse, can be softened and shaded into something like appearance, by the judicious arrangement of locks permitted to be worn in bands, or ringlets, just as best suits the face they surround.

And while no arbitrary fashion forces the exposure of a frightful profile, a clumsy arm, a misformed ancle, no rule exists to prevent the exercise of those being shown. 'Every lady is at liberty to bring out her own good points or she thinks best, and it is easy to do so, as well as to conceal her weak ones, without departing from the fashions that prevail.

Under these circumstances, it must certainly be a consolation to our fair friends to find, that although it is difficult now to earn the reputation of pre-eminent beauty, it is equally difficult to appear remarkably plain; and it is surely better to possess only moderate charms, and to know that there are few of the scarcest and the richest ones redeeming attraction, than to have been a very goddess of loveliness, and to have felt that your every divinity was created by the sacrifice of whole hecatombs of less fortunate faces.

Cause of Peace.

CONGRESS OF NATIONS.

The undersigned members of the American Committee for a Congress of Nations being a joint Committee representing three Associations for the cause of peace—desire to present to the public the views of the value and practicability of the object for which they are associated, and its claims on the attention and aid of their fellow citizens.

The Peace Societies in Great Britain and the United States early perceived that most of the wars of modern civilized nations were occasioned by disputes, for the settlement of which there was needed, either a common arbiter, or principles of law, not supplied by the uncertain and unsettled principles called the Law of Nations; and in the belief that the establishment of this want on these principles, an sufficient authority, would be the means of preventing all wars, they proposed a Congress to be composed of Delegates from all to meet on the memory by mail, direct, as we thereby save a considerable per centage.

NOTICE.

Subscribers wishing their paper changed, will please give the name of the Post Office to be changed from, as well as to that to which it is to be sent.

Persons sending letters in to should be careful to give the name of the State as well as of the town in which they live.

Editors or others owning the paper for a club, would confer a favor by having them sent to one address when they can do so conveniently.

DISGRACEFUL LETTER.

Gen. James Shields, who served with much gallantry in the late war with Mexico, was recently elected by the Legislature of Illinois U. S. Senator from that State to fill the place of Mr. Douglas, whose term of office will soon expire. Shields for re-election, before the caucus of Democratic members, but that body nominated another gentleman, and Shields was defeated on the party nomination. It has been charged in the papers at various times, that Shields was ineligible to the office of Senator, because of his foreign birth, and it appears that on account of his foreign birth, and it appears that he was ineligible to the office of Senator, and the following letter from the Secretary of State, will settle the matter beyond controversy. You published an article in the Lynn Reporter, a large paper from the Convention with an Address to the British nation—the Convention was composed of the Premier, and an intimation was given that his Government would readily meet advances from others of the British. It is proposed to hold a similar Convention at Paris in the morning month of August—and to which every respect will be paid by civilized nations.

The Society would appeal to American citizens of every class, party and denomination, to encourage and aid us, zealously and unitedly in this truly important object. We ask for it the prayers of the friends of peace, and the co-operation of all.

Washington, Feb. 22, 1849.

Hon. Stuart Reberd:

Sir—On my return to this country from Mexico I found myself constituted, both in law and fact, the representative of a large number of citizens of Illinois, suffering under the effect of wounds; you were one of them. Your wounds were severe, and I do not wonder that you should have been misled, and that you hastily honored me with a public dinner, which I declined. Your subsequent letter, which I have had to me but to say State, you were the only one who had misled me. I have, since the war, been a citizen of the United States, and have exercised the rights of a citizen. I was ineligible to the office of Senator, and the honor I had proved not my blood—but not the battle-fields of my country

Markets.

...HIA MARKETS.

...Thursday, March 2, 1849.

...1.—The demand for cotton...continued during the present week...prices consequent on the...of 9,000 bales overland...and Pennsylvania at $6.50 to 7...and sales Saturday at $7.37½...7 main heads. Rye Flour a...ains are comfy...ended at $5...been dull—300 bbls sold at...

...the week ending last inst.
...bbls 11,991
...half bbls 91
...bbls 50
...bbls 1,000
...bbls 13,972

...ard for Wheat continues quiet...ugh rates noted by a sales...ushels at $1.30 per bush...ers changed hands at from...ents, and $1.31 for white per...small lots for distilling at...good demand, and some 30,000...at yellow and at 54a55c...

...ch commerce full, and we only...Tobacco Mass at $13,700@15,7...per hhd. Beef scarce and...with small sales. Bacon...ales of 400 casks at 7½a8c...Hides, and 5@6 for Shoulders...ed at the same rates. Lard...demand; sales in bbls and kegs...ranges from 8 to 8½c...

...ssion remain nearly as per...ing at 10@10½c for Mess...Prime, and 7@7½ for Prime...Cheese is quiet and unchanged...

...ket remains quiet, owing to the...ons which have induced holders to...

...ket remains quiet, owing to the...ons which have induced holders to...

...ket remains quiet, owing to the...ons which have induced holders to

Selected Poetry.

THE REFUSAL.

I think I now bliss once more,
When first in accents soft
I uttered the gentle word and true
For brighter hopes and gold;
No angel glad by heavenly mandate flew,
Or e'er his fastness sold,
To waft the message word I said,
That wight—the Lord of Ida.

He did not seek to urge his suit
With vain but fiery flame,
Yet on his glowered cold, though mute,
Was written better than I wrote in them. Ah!
I think I see his noble brow
Clouded by deep despair,
And gladly would I shelter now
The love that struggled there.
Tears have rolled slowly, sadly by,
Many have followed them,
And oft I've wondered with bitter sigh
The heart I once away.
Oh! what would I have given once then
That sparkled one to recall,
Given an infinite for them again
Affection's throbbing ball!
The throne of wealth which ruled my choice
Are dross to me or zero,
And for one note of Love's sweet voice
I'd give its wondrous power.
The jewels glittering on my brow
Bauble are by silent sighs,
Nor riches o'er the tears scorn
Which flow from those and eyes.

They tell me I cherish happy be
When luxuries surround,
And wonder that in earth and give
My spirit is never found.
They little know my hidden grief,
The letter to be told,
Who think the heart can find relief
In luxury or gold.

To try experience (dearly bought)
I've learned to prize too less
The hidden heart by love o'erwrought
And doomed to loneliest fate;
But let it be—'tis past—done, over,
The world can e'er regret;
And silent I must mourn it
When love never better returned!

Selected Sketch.

DEATH UPON THE OCEAN.

BY D. W. BARTLETT.

Upon a recent voyage from Liverpool to New York, I became intimately associated with a young man, a fellow passenger who was going on a visit to America. When I first saw him, I was struck with his appearance. He was a slender make, with a glorious forehead, and the eye of intense fire. His hair was dark, and bore in its color, and his countenance expressed a nobility and frankness that is rarely found. We were introduced, and from that time became quite intimate. I soon found that we were acquainted with friends in England. He had come from one of the best families in the upper stratum of what is called the middle class of English society. It is not strange that we became intimate, for I loved his native land, and he loved mine.

Upon the pleasant moonlight night, we sat upon the quarter deck, conversing about the future, and the time that was to elapse before leaving—of England's poets and statesmen; or, shifting the scenes, of our own New England, so far from expensive West, with its everchanging picture. Often the unwelcome sounds of the midnight bell broke upon us, ere we had finished our conversations, and we usually had passed the evening away. He was a great long in gaining the friendship of all the fellow-male passengers.

After we had been out a few days, I missed him one morning from his accustomed seat at the breakfast table. I did not see him on the deck during the morning, nor at the dinner table. When I visited his state-room, to my great surprise I found him lying on his berth quite ill, with the strongest attendance. He had experienced, in the night, a severe attack of violent dysentery, and was already very much prostrated. He was glad to see me, and seemed to be in good spirits. Years after into his eyes when I took his hand, and he wished a fellow passenger, who was a clergyman, to read a portion of the Scriptures to him. It was the first time I had ever seen how spirited, and it was the last. The clergyman came and read a psalm to him—even he was joyful hearted.

The next morning I was shocked to hear the surgeon say that he could not live forty-eight hours. I went to him—alas! the surgeon was right. The change that had come over him, in a single night, was marvelous. His fair brow was covered with a damp as chill as death, and his whole frame was drenched in moisture. But his pure blue eye had not suffered—they had the same effectuality, half and, half joyous expression that they had always worn. The flesh had disappeared from his cheeks, for his anguish had been great, during the night. I took his hand in mine, but dare not speak, for fear of betraying the emotions of my heart. He said, with a singularly calm and clear voice—

"I am going to die, my friend—but I am not afraid." A pressure was given from my spirits at once. He went on: "I have a few things that I wish to give my friends—a few trifles—and, if you will call the captain, I will tell you to whom I wish them to be given." I called him, and he continued calmly: "My gold watch I wish my sister Emma to have, and my silver one—(my brother Geogy, my little brother Georgy, and my wife let it be for her life—and let it to old enough to use it. Give to Maggy the ring on my left finger. To my mother"—his voice faltered when he came to her—"to my mother I leave his pallid cheek. "Ah, she was a good mother! Give back the Bible that she gave me, and tell her that she had not lost one of her sons. All else he bequeathed to his father, to dispose of as he pleased." He captain left the room, and he said, looking earnestly up into my face, "Write to my mother when I am dead, and tell her that everybody was kind to me, and that I had every attention," then under such thoughts as the wish of his is more his mother's heart from pain?"—"that I did not fear death. Tell Maggy that I love her in death; you should see her, she has such meek eyes, and her hair curls so beautifully about her fair forehead. Poor Maggy! And—and—there is one of whom I have not spoken—Mary——; I was engaged to her—give me the ring—to her, and tell her I hope to meet her in Heaven." Becoming exhausted, I left him for a short time. When I came back, he said, "I would have gone to see the ocean, in whose depths my grave will soon be made, but I cannot see it since I am blind. Alas, he was too weak to be raised upon deck—gave father! And then he wished a locket of one young man him. His eyes were suffused with a smile when he saw it. He put the hand to it, and he fondled it for a long, long, I could hardly tell whether sadly or joyously. "Soon shall my body be in the dark ocean. I have been aware, because they can ocean in that self-baptism of his—his fearlessness was so triumphant over death.

All the day the wind had been increasing in strength, and at night it blew a hurricane. Towards midnight it became impossible for the waves dancing over us annihilate, or strike my side, sounding like heavy thunder. Many of our passengers were frightened nearly all. They were up, and, when the captain came down into the cabin, they gathered about him with what eyes you can extract from fear. I was up all night with the dying one—some of the time holding him in his berth; a part of the time he lay in his arms. He was perfectly hand, and his fearlessness was a rebuke to those who were pale with fright, and to the storm. As the morning came on, the gale increased. At about 10 had reached its height—at daylight the poor young man said, "I thank you all for your kindness to me—farewell, forever!" and died.

The storm went suddenly down, and the next morning there was a perfect calm, and the current lifted flapping in the air. The sea alone calmly upon the beautiful sea—the air was balmy like that of the South; but we were all sad, for we were to see what few of us had ever seen before—an burial. I will not describe the ceremony, for older pens than mine have done so. I will say nothing of the little hand that softly closed on the last morning, and now the corpse stretched upon the death plank; of the funeral plunge of the body into the separating waters, and of the sad, sad day, little parties were clustered together, talking about the poor young man. All of us were sad.

When the evening came on, and the full moon shone above us, with a lustrous purity, I went out upon the quarter deck, and mused long upon the young man, his England home, and those who dwelt there. His mother, perhaps, was praying, at that moment, a safe voyage for him—a happy sojourn in the New World, and a happy, oh! how happy! return; but the sea was his mother now, poor woman! His dear Maggy, "with her hair curling beautifully about her face;" her, at that moment, perhaps, kneeling him on her account. Then, Maggy—no more will you wake in the morn upon of life). Then I thought of the time when every pool would be magnet's wonderful by this locks, for they reported a letter from him. And a letter that—of which no pulpit pen could, but in a strange kind. The father grieves pale as the locks it is, the mother, watching his countenance, anxiously asks why he is pale. He hands the letter to her, she draws up her face, and shudders. Then she turns up her face. The brother does, and the sister—the letter then I wrote in them. Silvered, in a moment, are all their beautiful hopes, and they weep in anguish—and Maggy! Alas! she is among the dears, sleeping, they have not told her!—the brother goes to her, and says, "Come to me, Maggy;" the girl runs to him, and he bursts into tears—he cannot tell her what he wishes. He grows stronger, and tells her that her brother is dead, said is buried in the blue ocean, and will never come back. She asks, sadly, "Will he never, never come back?" "Never, Maggy,"—and the beautiful child cries as if its heart would break. But the dull waves will not heed its cries, nor its mother's, but leaps him as trophy in its embrace.—*Nonpareil.*

THE COW-TREE.

Mr. Last was the first person who made known in Europe one of the most curious vegetable productions of the equinoctial regions—a tree which yields a kind of milk entirely analogous in that of a cow, and which, for that reason, has been called cow-tree. This singular juice, on account of its similitude to the milk of that animal—in the place of which Baron Humboldt has seen it used for every domestic purpose—on the farms of Barbula—has been admired by every traveller.

This vegetable milk possesses all the physical properties of the milk of animals, only it is a little thicker, and mixes easily with water; it is somewhat more yellow, and thickens on the surface like cream. When boiled, it does not coagulate, but a thick yellow pellicle is formed on the surface. Acids do not form with this milk any coagulum, as with that of the cow.

If the juice of this valuable tree is an pleasant and nutritive to the natives, how much more grateful must it be to the traveller who has been obliged to cheese high sumptuous pay, and, when exhausted by fatigue, hunger and thirst! On the road from Patite to Puerto-Cabello, all the trees of this species which are met with, exhibit numerous incisions, made by travellers, who anxiously search for them during a year of great scarcity. But it is in the vicinity of Barbula that the cow-tree grows in the greatest plenty. Soil it is not to be found in the open fields, but in the woods, where the ground is covered with a thick shrub by near him, and gathered the fruit of this species, which are much admired by every traveller.

The milk, when exposed to the action of the air, is altered, and acquires an unpleasant smell similar to that of sour milk; and a pellicle is formed on the surface, which, pressed with caustic potash, attacks ammonia. If these drops of an acid are added to this milk, it may be exposed to the air for a long time without any alteration; if kept in a bottle with a crystal stopper, it does not corrupt, but becomes only thicker; and if a bottle of water is added to this milk, it regains all its properties. In this manner it may be preserved for a considerable time. When this liquid is put on the fire, it presents exactly the same appearance as cow's milk, a pellicle forming on its surface, which prevents the expansion of the vapours.

By repeatedly boiling this vegetable milk with the caustic alkali, the same substance is produced, possessing the same properties as common fibrin; and although it may appear singular to meet, in a vegetable, with a substance which has usually been considered as peculiar to animal matter, it nevertheless does not differ from it in any respect, and is perfectly identical with the fibrin extracted from animal matters, it seems to have the same relation to it as vegetable albumen has to animal albumen.

Recently a substance has been extracted from the fresh juice of the *Carica Papaya*, which has been found to be similar to that from the milk of the cow-tree.

HEAT.—Low as 32 deg. and water at 32 deg. —the freezing point—feel equally cold; although it is known that the latter contains more heat than the former; *it is latent heat* Hidden Fever.

A terrible sheet rang through the crowd, as he thundered into the water, and, amidst the shrieks of the females, and the consternation of the men, the boat was soon on the head of surrounding objects. The atmosphere at that moment is a thaw, may therefore remain at 32 deg.—If, as was soon supposed, a slight addition of temperature would be sufficient to melt ice, a melting would be sudden and the effects disastrous, in the breaking up of ice in our rivers.

Science and Art.

GENERAL IMPROVEMENT IN STEAMSHIPS.

"It is used to be the custom," says the Scientific American, "to construct boiler flues of wrought iron, so that the smoke would go straight round and round, and allowing it to escape with difficulty. The plan now adopted is to get as much flue as possible in a given space of time. This has been done by combining in the marine boiler the properties of a locomotive boiler, having tubes for the heat to escape through, and the ordinary flue boiler to evaporate a greater quantity of water in a given time on the face of the usual thickness; and thus having the advantage of doing more with less surface and less weight of metal. The change in the form of the steam pipes is much varied from what it was 15 years ago. Then the steam was carried from the boiler to the engines of the old fashioned to lever kind. The great change is in the materials and in the form of the pipes. Copper is the greatest part of the engines was made of cast iron. The new style of the Cunard line have their steam pipes of cast iron, and wrought iron. Ten years ago no sea steamer would have been accurately, now it is generally worked in that manner, with a saving of one-fourth of fuel. Formerly the paddle wheels of steamers were very slow, about 17 or 18 revolutions per minute, now they are driven at an average rate of 27, 28 and 29 miles an hour in the open sea. There has been quite a change made in the forms of their paddle wheels, a brief description of which will not be uninteresting. The old vessels were built with the water line nearly straight, and so with the bow of the hull, but now all of them have bulbous form, and the vessels are propelled at a greater velocity with the same power, because they cut easier through the waves.

The object of this plan was to build vessels six times the length of their breadth: now it is found that the greater the length the greater the speed, but the greater strength necessary is just what is enable the engines to be put in and to accommodate greater cargo. The proportion of the water line is now placed three-fifths from the bow, instead of being in the middle, to the old form. The bow of the hull is now very sharp, and, instead of the old tapering fine run of the counter, it is made more full above, though still tapering below, and these are more accurate balances for comfort and a greater speed as the vessel rises. The British steamers are built upon the wave-line principle. Eighteen miles per hour is the greatest average speed in still, some vessels have made 20 miles in a short period. There can be no doubt but we may expect in two years more to see our ocean steamers making at least an average speed of 19 miles per hour, and that will be making the voyage to Liverpool in 9 days and 9 hours."

NEW MODE OF MANUFACTURING SUBSTANCES FOR CORDAGE.—The process has been recently patented in England for the manufacture of candles. The process is to combine resin with tallow or any other fatty or oleaginous substance in the proportion of one part resin to three parts fat; to these is added by degrees any description of strong acid as commercial sulphuric acid. It is then to be submitted to sufficient heat to evaporate the sulphuric acid gas, which will be accomplished in about from twelve to eighteen hours; it is afterwards submitted to the process of distillation until well known for substances of this description, and when cold, it is to be subjected to pressure, to separate the fluid from the solid parts, which are then formed into candles, or other suitable articles for illumination, which are said to endure well and give a very brilliant light.—*Farmer and Mechanic.*

Wit and Humor.

TAKING THE STARCH OUT OF 'EM!

A Cold Water Sketch.

BY THE YOUNG UN.

A knot of idlers stood upon the end of a pier which ran out into the Hudson River, in one of the small towns on the Shore, a few years ago, amusing themselves with hurling stones into the broad stream, each vieing with his neighbor in the endeavor to pitch the smallest of the farthest distance from the shore, when a tall, ruggedly-built Vermonter, direct from the Green Hills, suddenly made his appearance in their midst, and for a while remained a quiet observer of their movements.

He was a frowzy, strong-limbing Yankee, and was very dressed in the usual style of the little party had been exhibited over and over again, when the stranger quietly picked up half a brick which lay near him, and poising it a jerk, it fell in the water a long way beyond the distance which had as yet been reached by the foremost of the crowd. At the conclusion of this feat, a loud "three'rs" went to the skies, and a dozen seemed like.

It was a cold, clear day in October, and the atmosphere seemed to be endless, encouraged their attempts; but the Vermonter, without saying a syllable to any one, continued to pitch the pebbles into the stream, which seemed in astray one of them in a green jacket, the apparent before of the gang, who declared he wouldn't be beaten by a "fellar right down to" the woods, as here," and sailing up to him half a dozen, he determined to make his acquaintance.

"Where do you come from, neighbor?" inquired the other.

"Ah! Wal, I hails from Varmount, jest down," said.

"Haint been in these parts long, I reckin."

"Wal—no. Not edzactly, yer—but up and down, sorter."

"Yis—ah! I 'spound."

"Yaas," continued the green'un, cautiously, and the other, with a sigh of weak, he twirled over his head, and it landed several rods from the shore, in the water.

"You're a little strength in your arms, neighbor."

"Nuss! pumk'kin!—is them flippers, scan, gee. Up in sarer tawun, mon'n a month ago, I could throw a stone further nor most three b'ard, mon's a nickel'nuff thick!"

"How—haw!" shouted his hearers, the man in the green jacket laughing loudest.

"May be you don't b'lieve it."

"Not much," answered the crowd.

"I said every grown man here in York—or ain't," said the fellow in the green jacket. "Is this down there? it may be preserved in a considerable time. When this liquid is put on fire, it presents exactly the same appearance as cow's milk, a pellicle forming on its surface, which prevents the expansion of the vapours.

"Wal, I'll bet you a dollar you can't do it," said the Vermonter, in the most placable manner.

"Wal, I reckin I will," said the other, "I'll be—haw!" shouted his hearers, the man in the green jacket laughing loudest.

"Done!" said the Yankee, and drawing forth an X upon a broken Down-East bank! he covered the shinplaster.

"Is he in, Jo?" pulled his audience.

"Like a duck," said green-jacket—and without further parley, the Vermonter seized the kneeling Yorker round by the legs, and the back and the seat of his pants, jerked him from his feet, and, with an almost superhuman effort, dashed him heels over head, from the end of the dock—some ten yards out into the Hudson River.

A terrible shout rang through the crowd, as he thundered into the water, and, amidst the shrieks of the females, and the consternation of the men, the boat was soon on the head of surrounding objects. The atmosphere at that moment is a thaw, may therefore remain at 32 deg.—If, as was soon supposed, a slight addition of temperature would be sufficient to melt ice, a melting would be sudden and the effects disastrous, in the breaking up of ice in our rivers.

MRS. PARTINGTON'S VALENTINE.—Our Mrs. Partington received an elegantly embossed valentine, bruneld of kind sentiments, which produced quite a flutter in her usually tranquil demeanor; the looking-glass was consulted more frequently than second consistent with her simple character, and she read the enveloping paper attentively to ascertain the remarkable properties of Naples yellow. As she expressed herself, the fourteenth of February will be a good day in her ornithology. "What on it be love?" said she, "I'm sure I feel as she read the affectionate and respectful lines. I wish I knew, I'm sure, it must be a synonymous name that he signs. Those volatile days, and saint days, and lady days, they do make something like a fuss, as suffered her other's. She went to bed an hour earlier that night.—*Boston Post.*

New Publications.

THE LOVE OF READING.

FROM "MOTHERHOOD EDUCATION," BY HARRIET MARTINEAU.

Children who read from the love of reading, are usually improved by having a good book. A wise parent will indulge the love of reading, and will take pains to provide for the child to do what it likes best, but beware what is read with enjoyment has intense effects upon the intellect. The practice of reading for amusement must not begin too soon; and it must be one of the very last to be indulged till the child is so practised in the art of reading as to have its whole mind at liberty for the subject, instead of having to direct the tions or the words. Till he is sufficiently practised for this, he should be read to; and it will then soon appear whether he is not yet to be moderate when he gets a book into his hands. Nothing, I repeat, is more important than a habit of leisure in his natural tastes,—in his instincts,—when that important period arrives in the universe of his own. Let him prepare for amusement, but not begin too soon; and it must be one of the very last to be indulged till the child is so practised in the art of reading as to have its whole mind at liberty for the subject, instead of having to direct the l